$$PLA_2$$
 O
 H_2C
 O
 CH_3
 H_2C
 O
 O
 CH_3
 CH_3
 CH_3
 CH_3
 CH_3
 CH_3
 CH_3
 CH_3
 CH_3

Additional enzymes acting on (mono-acyl)phospholipids:

- Lysophospholipid hydrolase
- > Lysophospholipid transacylases
- Lysophospholipid acylase
- > Lysolecithin acylmutase (migratase; 2,3-acylmutase)

Figure 1a

Figure 1b

$$B_r^{\Theta}$$
 \oplus
 B_r^{Θ}

1,12-Bis(tributylphosphonium)dodecane dibromide (1)

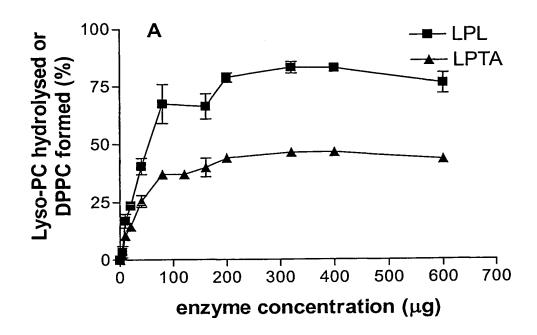
1,10-Bis(tributylammonium)decane dibromide (2)

$$\bigoplus_{\mathsf{Br}^{\Theta}} \bigoplus_{\mathsf{Br}^{\Theta}} \bigoplus_{\mathsf{N}} \bigvee$$

1,12-Bis(tributylammonium)dodecane dibromide (3)

1,12-Bis(trimethylammonium)decane dichloride("decamethonium") (4)

Figure 2



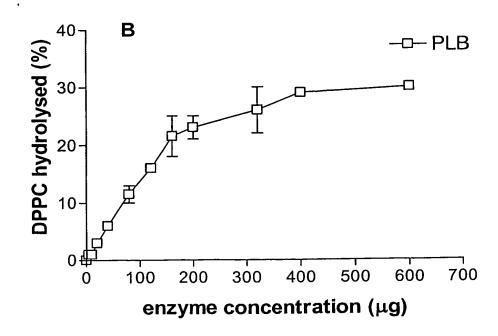
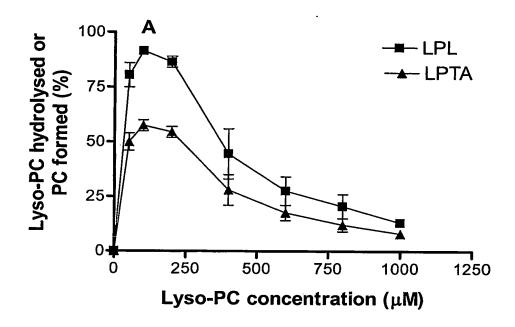


Figure 3



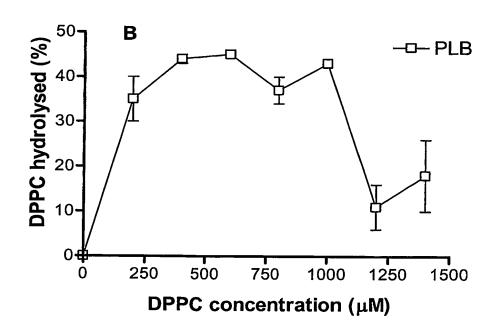
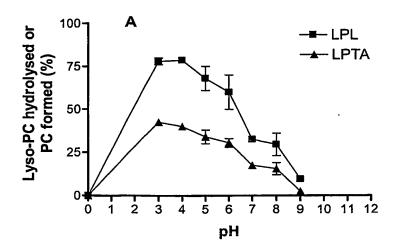
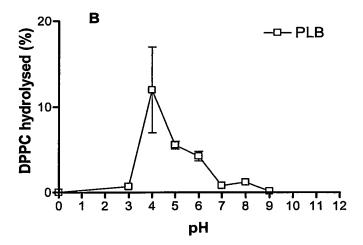


Figure 4

WO 2005/047230





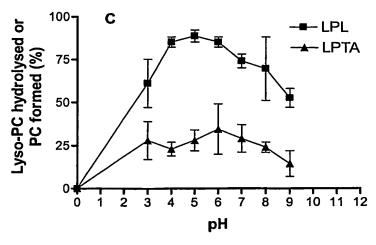
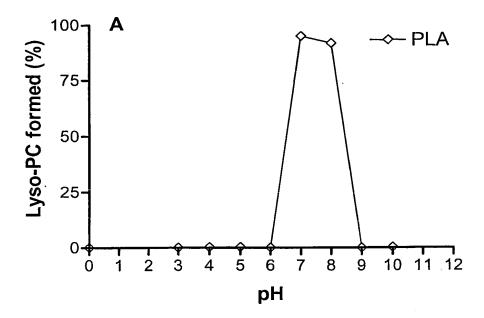


Figure 5



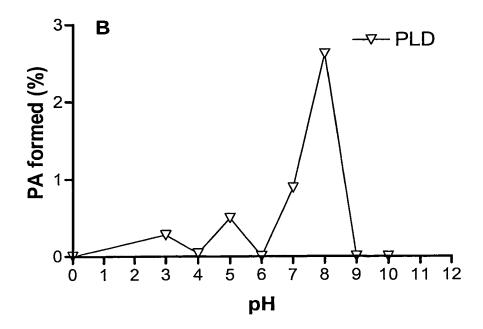


Figure 6